

We claim:

1. A method of assembling a blown film tower, comprising the steps of:  
premounting a nip component on a support member;  
5 raising the support member and the nip component within a building;  
erecting a first platform on first columns on floor level beneath the support  
member and the nip component; and  
lowering the nip component and the support member to the first platform, wherein  
the blown film tower is assembled without opening substantial portions of a roof over the  
10 building.
2. The method of assembling of claim 1, wherein the step of raising includes the  
substep of:  
forming an opening in the roof of the building;  
15 passing an end of a line through the opening to attach to the support member;  
attaching a support cradle line to the support member;  
attaching a hook to both the end of the line; and  
raising the hook with a crane.
- 20 3. The method of assembling of claim 1, further comprising the steps of:  
raising the first platform and the first columns with the support member and the  
nip component;  
erecting a second platform on second columns on the ground level; and  
lowering the first platform and the first columns with the support member and the  
25 nip component onto the second platform.
4. The method of assembling of claim 3, further comprising the steps of:

raising the first and second platforms, the support member and the nip component;  
erecting a third platform on third columns on the ground level; and  
lowering the first platform and the first columns and the second platform with the  
second columns having the support member and the nip component onto the third  
5 platform.

5. The method of assembling of claim 1, further comprising the steps of:  
attaching a side extension platform to the first platform.

10 6. The method of assembling of claim 3, further comprising the steps of:  
attaching a first side extension platform to the first platform; and  
attaching a second side extension platform to the second platform.

7. The method of assembling of claim 1, wherein the support member is capable of  
15 supporting different sizes of the nip component without having to change size and  
dimensions of the support member.

8. The method of assembling of claim 1, wherein the first platform includes:  
a staircase.

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9. The method of assembling of claim 3, wherein the first platform and the second  
platform each includes a staircase.

10. The method of assembling of claim 4, wherein the first platform, the second  
25 platform and the third platform each includes a staircase.

11. The method of assembling of claim 3, wherein the first platform and the second platform each includes a handrail.

12. The method of assembling of claim 4, wherein the first platform, the second  
5 platform and the third platform each includes a handrail.

13. The method of assembling of claim 3, wherein the first columns and the second columns have identical foot prints, wherein each of the first columns are positioned directly over each of the second columns.

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14. The method of assembling of claim 4, wherein the first columns and the second columns and the third columns have identical foot prints, wherein each of the first columns and the second columns and the third columns are positioned directly over each other.

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15. A method of assembling a blown film tower, comprising the steps of:  
premounting a nip component on a support member;  
raising the support member and the nip component within a building;  
erecting a first platform on ground level beneath the support member and the nip

20 component;

lowering the nip component and the support member to the first platform;

raising the support member, the nip component and the first platform;

positioning first columns beneath the first platform; and

25 lowering the support member, the nip component, and the first platform onto the first columns, wherein the tower is assembled opening substantial portions of a roof over the building.

16. The method of assembling of claim 15, further comprising the steps of:  
raising the support member, the nip component, the first platform and the first  
columns positioning a second platform under the first columns; and  
lowering the support member, the nip component, the first platform and the first  
5 columns onto the second platform.

17. The method of assembling of claim 16, further comprising the steps of:  
raising the support member, the nip component, the first platform, the first  
columns and the second platform;  
positioning second columns in identical foot prints to the first columns on the  
10 ground level; and  
lowering the support member, the nip component, the first platform, the first  
columns, and the second platform onto the second columns

18. A modular film tower assembly system, comprising:  
15 a nip component supported by a first modular platform on first columns;  
a second modular platform on second columns beneath the first platform, wherein  
the first columns and the second columns have identical foot prints; and  
means for assembling the first platform on the first columns and the second  
platform on the second columns.

20 19. The modular film tower assembly system of claim 18, wherein the means for  
assembling includes:  
means for raising and lowering each of the first platform and the second platform  
onto the identical foot prints.

25 20. The modular film tower assembly system of claim 18, further comprising:  
handrails for each of the first platform and the second platform;

stairs for each of the first platform and the second platform; and  
modular extensions for at least one of the first platform and the second platform.

21. A method of assembling a blown film tower, comprising the step of:  
5 simultaneously raising both a nip assembly and a top platform together in one lift  
to build the tower.
22. The method of claim 21, wherein the platform includes: hand rails.
- 10 23. The method of claim 22, wherein the platform includes: stairs.
24. The method of claim 21, wherein the platform includes: support columns.
25. A method of assembling a blow film tower, comprising the steps of:  
15 erecting a platform supported by columns, the platform having an opening  
therethrough;  
lifting a nip assembly on a support member up through the opening in the  
platform; and  
attaching the support member to the platform.
- 20 26. The method of claim 25, wherein the nip assembly is pre-attached to the support  
member.
27. A modular tower bracing system, comprising:  
25 a first platform having a first set of vertical support legs;  
a first cross member attached to two of the first set of vertical support legs; and

adjustable lengthening brace means attached to both the first cross member and to the two of the first set of vertical support legs for adjusting stiffness of the modular tower so that the modular tower does not sway, twist or excessively vibrate overtime.

5 28. The modular tower bracing system of claim 27, further comprising:

a second platform having a second set of support legs which are stacked on top of the first platform, the second platform having a second set of vertical support legs;

a second cross member attached to two of the second set of vertical support legs;

and

10 second adjustable lengthening brace means attached to both the second cross member and to the two of the second set of vertical support legs for adjusting stiffness of the modular tower so that the modular tower does not sway, twist or excessively vibrate overtime.

15 29. The modular tower bracing system of claim 28, further comprising:

a third platform having a third set of support legs which are stacked on top of the second platform, the third platform having a third set of vertical support legs;

a third cross member attached to two of the third set of vertical support legs; and

third adjustable lengthening brace means attached to both the third cross member  
20 and to the two of the third set of vertical support legs for adjusting stiffness of the modular tower so that the modular tower does not sway, twist or excessively vibrate overtime.

30. A method of bracing components in a modular tower, comprising the steps of:

25 assembling a platform over vertical support legs having a horizontal cross member;

attaching cross adjustable bracing members between a least two of the vertical support legs and the horizontal cross member; and

stiffening the platform and vertical legs by adjusting lengths of the adjustable bracing members so that the modular tower has reduced swaying, twisting, and vibrations

5 over time.